

	Issue Date	Pages	Document ID	Title
1	20010522	37	US 6235729 B1	Uses of phospholipase C inhibitors

	Issue Date	Pages	Document ID	Title
1	20030403	14	US 20030064495 A1	Novel human kinase proteins and polynucleotides encoding the same
2	20030130	36	US 20030023065 A1	Novel human ATPase proteins and polynucleotides encoding the same
3	20030130	17	US 20030023063 A1	Novel human kinases and polynucleotides encoding the same
4	20030109	20	US 20030009021 A1	Novel human proteases and polynucleotides encoding the same
5	20030102	14	US 20030004328 A1	Novel human G-coupled protein receptor kinases and polynucleotides encoding the same
6	20021121	16	US 20020173641 A1	Novel human carboxypeptidases and polynucleotides encoding the same
7	20021107	14	US 20020165376 A1	Novel human proteases and polynucleotides encoding the same
8	20021031	78	US 20020161213 A1	Novel human kinases and polynucleotides encoding the same
9	20021031	29	US 20020161207 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
10	20021010	21	US 20020147320 A1	Novel human kinase proteins and polynucleotides encoding the same
11	20020926	16	US 20020137913 A1	Novel human kinases and polynucleotides encoding the same
12	20020912	17	US 20020128458 A1	Novel human kinases and polynucleotides encoding the same
13	20020829	33	US 20020120113 A1	Novel human proteases and polynucleotides encoding the same
14	20020829	147	US 20020119463 A1	Prostate cancer markers
15	20020815	18	US 20020110908 A1	Novel human kinases and polynucleotides encoding the same

	Issue Date	Pages	Document ID	Title
16	20020815	36	US 20020110809 A1	Novel human polynucleotides and polypeptides encoded thereby
17	20020808	16	US 20020107384 A1	Novel human kinase and polynucleotides encoding the same
18	20020801	296	US 20020102543 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
19	20020718	36	US 20020095031 A1	Novel human polynucleotides and polypeptides encoded thereby
20	20020627	10	US 20020082406 A1	Novel human kinase interacting protein and polynucleotides encoding the same
21	20020627		US 20020081668 A1	Novel murine polynucleotide sequences and mutant cells and mutant animals defined thereby
22	20020627	20	US 20020081600 A1	Novel human kinase proteins and polynucleotides encoding the same
23	20020418	13	US 20020045743 A1	Novel human membrane proteins and polynucleotides encoding the same
24	20020411	14	US 20020042503 A1	Novel human G-coupled protein receptor kinases and polynucleotides encoding the same
25	20020404		US 20020039581 A1	Antibodies against CTLA4 and uses therefor
26	20020328	54	US 20020038011 A1	Novel human kinases and polynucleotides encoding the same
27	20020328	12	US 20020038009 A1	Novel human kinase protein and polynucleotides encoding the same
28	20020321		US 20020034799 A1	Novel human transporter protein and polynucleotides encoding the same
29	20011025		US 20010034437 A1	Novel human proteases and polynucleotides encoding the same

	Issue Date	Pages	Document ID	Title
30	20030617	75	US 6579710 B2	Human kinases and polynucleotides encoding the same
31	20030415		US 6548271 B1	Nucleic acids encoding human transporter proteins
32	20030401	11	US 6541252 B1	Human kinases and polynucleotides encoding the same
33	20030318		US 6534655 B1	Indeno[1,2-C]pyrazole derivatives for inhibiting tyrosine kinase activity
34	20030128	27	US 6511840 B1	Human kinase proteins and polynucleotides encoding the same
35	20021105	17	US 6476210 B2	Human kinases and polynucleotides encoding the same
36	20021008	35	US 6462186 B1	Human ATPase proteins and polynucleotides encoding the same
37	20020903	15	US 6444456 B1	Human G-coupled protein receptor kinases and polynucleotides encoding the same
38	20020827	20	US 6441154 B1	Human proteases and polynucleotides encoding the same
39	20020827	16	US 6441153 B1	Human carboxypeptidases and polynucleotides encoding the same
40	20011002	36	US 6297238 B1	Therapeutic agents
41	20010522	37	US 6235729 B1	Uses of phospholipase C inhibitors

	Issue Date	Pages	Document ID	Title
42	19971125		US 5691156 A	Method of inhibiting cell growth with the P.sub.2U receptor
43	19970304		US 5607836 A	Methods of detecting compounds which bind to the P.sub.2U receptor
44	19970121		US 5596088 A	DNA Encoding the human P.sub.2U receptor and null cells expressing P.sub.2U receptors
45	19940705		US 5326558 A	Megakaryocytopoietic factor

	L #	Hits	Search Text
1	L1	36003	kinase\$2
2	L2	348073	human
3	L3	11094	11 same 12
4	L4	462998	clon\$3 or express\$2 or recombinant
5	L5	4719	13 same 14
6	L6	74412	brain or cerebellum or prostate or adrenal
7	L7	128711	thyroid or pancreas or heart or salivary or stomach
8	L8	165739	16 or 17
9	L9	958	15 same 18
10	L10	66	donoho.in.
11	L11	28	hilbun.in.
12	L12	3758	turner.in.

	L #	Hits	Search Text
13	L13	58	zambrowicz.in.
14	L14	344	sands.in.
15	L15	13	110-114
16	L16	4111	110 or 111 or 112 or 113 or 114
17	L17	1	19 and 116
18	L18	45	15 and 116

=> d his

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCPLUS, NTIS,
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L1 1090522 S KINASE?
L2 1344 S HUMAN (A) L1
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT
L4 895 S L2 AND L3
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH
L7 209 S L4 AND L5
L8 105 S L4 AND L6
L9 249 S L7 OR L8
L10 202 DUP REM L9 (47 DUPLICATES REMOVED)
L11 374311 S SERINE OR THREONINE
L12 56 S L10 AND L11
E DONOHO G/AU
L13 62 S E3
L14 132 S E3-E9
E HILBUN E/AU
L15 54 S E3-E4
E TURNER C A/AU
L16 241 S E3-E9
E FRIEDRICH G/AU
L17 830 S E3
E ZAMBROWICZ B/AU
L18 75 S E3
L19 260 S E3-E9
E SANDS A T/AU
L20 120 S E3
L21 1293 S L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20
L22 56 S L12 AND L21
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)
L24 58 S L10 AND L21

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NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
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NEWS 7 Sep 03 JAPIO has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
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NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
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structures available in REGISTRY
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NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and

right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 45 Jun 25 HSDB has been reloaded

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MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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=> s kinase?

L1 1090522 KINASE?

=> s human (a)11

L2 1344 HUMAN (A) L1

=> s clon? or express? or recombinant
3 FILES SEARCHED...

L3 6013004 CLON? OR EXPRESS? OR RECOMBINANT

=> s 12 and 13

L4 895 L2 AND L3

=> s brain or cerebellum or prostate or testis or adrenal

L5 3305135 BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL

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=> s thyroid or pancreas or heart or salivary or stomach

L6 3654948 THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH

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FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCPLUS, NTIS,
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L1 1090522 S KINASE?

L2 1344 S HUMAN (A) L1

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=> s 17 or 18

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L10 202 DUP REM L9 (47 DUPLICATES REMOVED)

=> s serine or threonine
L11 374311 SERINE OR THREONINE

=> s l10 and l11
L12 56 L10 AND L11

=> d 1-56 ibib

L12 ANSWER 1 OF 56 MEDLINE
ACCESSION NUMBER: 2002359354 MEDLINE
DOCUMENT NUMBER: 22097604 PubMed ID: 12103360
TITLE: The identification and subcellular localization of human MRK.
AUTHOR: Yang Tao; Jiang Yunai; Chen Jiangye
CORPORATE SOURCE: State Key Laboratory of Molecular Biology, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China.
SOURCE: BIOMOLECULAR ENGINEERING, (2002 Jun) 19 (1) 1-4.
Journal code: 100928062. ISSN: 1389-0344.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20020710
Last Updated on STN: 20021228
Entered Medline: 20021227

L12 ANSWER 2 OF 56 MEDLINE
ACCESSION NUMBER: 2000483169 MEDLINE
DOCUMENT NUMBER: 20445994 PubMed ID: 10990492
TITLE: Isolation and **expression** of PASK, a **serine/threonine** kinase, during rat embryonic development, with special emphasis on the **pancreas**.
AUTHOR: Miao N; Fung B; Sanchez R; Lydon J; Barker D; Pang K
CORPORATE SOURCE: Ontogeny, Inc., Cambridge, Massachusetts 02138-1118, USA.
SOURCE: JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (2000 Oct) 48 (10) 1391-400.
Journal code: 9815334. ISSN: 0022-1554.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200010
ENTRY DATE: Entered STN: 20001019
Last Updated on STN: 20020420
Entered Medline: 20001010

L12 ANSWER 3 OF 56 MEDLINE
ACCESSION NUMBER: 92348472 MEDLINE
DOCUMENT NUMBER: 92348472 PubMed ID: 1639825
TITLE: **Expression** of TTK, a novel human protein kinase, is associated with cell proliferation.
AUTHOR: Mills G B; Schmandt R; McGill M; Amendola A; Hill M; Jacobs K; May C; Rodricks A M; Campbell S; Hogg D
CORPORATE SOURCE: Oncology Research, Toronto General Hospital, Ontario, Canada.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 5) 267 (22) 16000-6.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-M86699; GENBANK-M94136; GENBANK-M94137;
GENBANK-M94138; GENBANK-M94139; GENBANK-M94140;
GENBANK-M94141; GENBANK-M94142; GENBANK-M94143;
GENBANK-M94144

ENTRY MONTH: 199208
ENTRY DATE: Entered STN: 19920911
Last Updated on STN: 19920911
Entered Medline: 19920828

L12 ANSWER 4 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:74113 BIOSIS
DOCUMENT NUMBER: PREV200200074113
TITLE: Cell volume-regulated **human kinase**
h-sgk.
AUTHOR(S): Lang, Florian (1); Waldegger, Siegfried
CORPORATE SOURCE: (1) Im Rotbad 52, 72076 Tubingen Germany
PATENT INFORMATION: US 6326181 December 04, 2001
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1, pp. No
Pagination. <ftp://ftp.uspto.gov/pub/patdata/>. e-file.
ISSN: 0098-1133.

DOCUMENT TYPE: Patent
LANGUAGE: English

L12 ANSWER 5 OF 56 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:266075 BIOSIS
DOCUMENT NUMBER: PREV200000266075
TITLE: Characterization of hPRP4 kinase activation: Potential role
in signaling.
AUTHOR(S): Huang, Yong (1); Deng, Tiliang; Winston, Brent W. (1)
CORPORATE SOURCE: (1) Department of Medicine, University of Calgary, Calgary,
Alberta, T2N 4N1 Canada
SOURCE: Biochemical and Biophysical Research Communications, (May
10, 2000) Vol. 271, No. 2, pp. 456-463. print..
ISSN: 0006-291X.

DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L12 ANSWER 6 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2003-01882 BIOTECHDS
TITLE: New peptides related to **serine/threonine**
protein kinase subfamily, useful for treating disorders
associated with abnormal **expression** of kinase in
prostate, lungs and **brain**, in drug
screening assays and pharmacogenomic analysis;
recombinant protein production and sense and
antisense sequence use in gene therapy
AUTHOR: BEASLEY E M; YE J; YAN C; KETCHUM K A; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002059288 1 Aug 2002
APPLICATION INFO: WO 2002-US930 15 Jan 2002
PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-599781 [64]

L12 ANSWER 7 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-17807 BIOTECHDS

TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein kinases, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation;
 recombinant protein production by vector-mediated gene transfer and **expression** in host cell, useful for gene therapy
 AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M
 PATENT ASSIGNEE: PE CORP NY
 PATENT INFO: US 6387677 14 May 2002
 APPLICATION INFO: US 2001-800960 8 Mar 2001
 PRIORITY INFO: US 2001-800960 8 Mar 2001
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 OTHER SOURCE: WPI: 2002-478444 [51]

L12 ANSWER 8 OF 56 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 ACCESSION NUMBER: 2002-12233 BIOTECHDS

TITLE: New **recombinant**, modified adenovirus vectors for regulating transgene **expression** in tumor cells, useful in gene therapy, particularly for treating cancers, e.g. cervical, lung, liver or breast;
 adeno virus vector-mediated gene transfer and **expression** in cancer cell for **recombinant** protein production and cancer gene therapy
 AUTHOR: LIEBER A; STEINWAERDER D S; CARLSON C A; MI J
 PATENT ASSIGNEE: UNIV WASHINGTON
 PATENT INFO: WO 2001083796 8 Nov 2001
 APPLICATION INFO: WO 2000-US14428 3 May 2000
 PRIORITY INFO: US 2000-202367 3 May 2000
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 OTHER SOURCE: WPI: 2002-240307 [29]

L12 ANSWER 9 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:409169 HCPLUS
 DOCUMENT NUMBER: 138:380506
 TITLE: Genes that are differentially expressed during erythropoiesis and their diagnostic and therapeutic uses
 INVENTOR(S): Brissette, William H.; Neote, Kuldeep S.; Zagouras, Panayiotis; Zenke, Martin; Lemke, Britt; Hacker, Christine
 PATENT ASSIGNEE(S): Pfizer Products Inc., USA; Max-Delbrück-Centre for Molecular Medicine
 SOURCE: PCT Int. Appl., 285 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2003038130 | A2 | 20030508 | WO 2002-XA34888 | 20021031 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
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NE, SN, TD, TG

WO 2003038130 A2 20030508 WO 2002-US34888 20021031

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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PRIORITY APPLN. INFO.:

US 2001-335048P P 20011031
US 2001-335183P P 20011102
WO 2002-US34888 A 20021031

L12 ANSWER 10 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:305167 HCPLUS
DOCUMENT NUMBER: 138:298879
TITLE: Human 12.54-kDa serine/threonine
protein kinase like protein and its cDNA and
therapeutic use
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep.
China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 34 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| CN 1358851 | A | 20020717 | CN 2000-127893 | 20001213 |
| PRIORITY APPLN. INFO.: | | | CN 2000-127893 | 20001213 |

L12 ANSWER 11 OF 56 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:221864 HCPLUS
DOCUMENT NUMBER: 138:249732
TITLE: Gene expression profiling for identification
of disease genes for use in drug screening and therapy
INVENTOR(S): Bristow, Michael R.; Minobe, Wayne A.; Lowes, Brian
D.; Perryman, Benjamin M.
PATENT ASSIGNEE(S): The Regents of the University of Colorado, USA
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| WO 2003023066 | A1 | 20030320 | WO 2002-US28808 | 20020911 |
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UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

US 2003096782 A1 20030522 US 2002-241368 20020911

PRIORITY APPLN. INFO.: US 2001-318854P P 20010911

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:97550 HCPLUS
DOCUMENT NUMBER: 138:164674
TITLE: Molecular markers for hepatocellular carcinoma and their use in diagnosis and therapy
INVENTOR(S): Debuschewitz, Sabine; Jobst, Juergen; Kaiser, Stephan
PATENT ASSIGNEE(S): Germany
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|-------------------------|---------------------------|-----------------------------|
| WO 2003010336 | A2 | 20030206 | WO 2002-EP8305 | 20020725 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG | DE 10136273 A1 20030213 | DE 2001-10136273 20010725 | DE 2001-10136273 A 20010725 |

PRIORITY APPLN. INFO.: DE 2001-10136273 A 20010725

L12 ANSWER 13 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:981604 HCPLUS
TITLE: Identification of residues which regulate activity of the STE20-related kinase hMINK
AUTHOR(S): Lim, Jaeseung; Lennard, Andrew; Sheppard, Paul W.;
Kellie, Stuart
CORPORATE SOURCE: Yamanouchi Research Institute, Oxford, OX4 4SX, UK
SOURCE: Biochemical and Biophysical Research Communications (2003), 300(3), 694-698
CODEN: BBRCA9; ISSN: 0006-291X
PUBLISHER: Elsevier Science
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 14 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:941845 HCPLUS
DOCUMENT NUMBER: 138:21334

TITLE: Protein, gene and cDNA sequences of a novel human protein kinase related to **serine/threonine** kinase and their uses in drug screening
 INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; Difrancesco, Valentina; Beasley, Ellen M.
 PATENT ASSIGNEE(S): PE Corporation (Ny), USA
 SOURCE: U.S., 107 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 6492156 | B1 | 20021210 | US 2001-984890 | 20011031 |
| WO 2003038115 | A2 | 20030508 | WO 2002-US34869 | 20021031 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRIORITY APPLN. INFO.: US 2001-984890 A 20011031
 REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 15 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:732013 HCPLUS
 DOCUMENT NUMBER: 138:1084
 TITLE: Human **serine/threonine** protein kinase-like protein, protein and cDNA sequences, recombinant production and therapeutic uses
 INVENTOR(S): Mao, Yumin; Xie, Yi
 PATENT ASSIGNEE(S): Shanghai Bode Gene Development Co., Ltd., Peop. Rep. China
 SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 38 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|----------|-----------------|----------|
| CN 1329157 | A | 20020102 | CN 2000-116663 | 20000621 |

PRIORITY APPLN. INFO.: CN 2000-116663 20000621
 L12 ANSWER 16 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:696559 HCPLUS
 DOCUMENT NUMBER: 137:227754
 TITLE: Protein, gene and cDNA sequences of a novel human kinase protein related to **serine/threonine** protein kinase and their uses in drug screening
 INVENTOR(S): Ye, Jane; Yan, Chunhua; Di Francesco, Valentina;

PATENT ASSIGNEE(S): Beasley, Ellen M.
 SOURCE: USA
 DOCUMENT TYPE: U.S. Pat. Appl. Publ., 174 pp.
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2002127683 | A1 | 20020912 | US 2001-801876 | 20010309 |
| US 6492155 | B2 | 20021210 | | |
| US 2003027307 | A1 | 20030206 | US 2002-254869 | 20020926 |
| PRIORITY APPLN. INFO.: | | | US 2001-801876 | A3 20010309 |

L12 ANSWER 17 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:575249 HCAPLUS
 DOCUMENT NUMBER: 137:136141
 TITLE: Human protein kinase, its cDNA and protein sequences,
 and use thereof
 INVENTOR(S): Yu, Xuanchuan; Miranda, Maricar; Friddle, Carl Johan
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 2002059325 | A2 | 20020801 | WO 2001-US50497 | 20011220 |
| WO 2002059325 | A3 | 20030320 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2002123622 | A1 | 20020905 | US 2001-28946 | 20011220 |
| PRIORITY APPLN. INFO.: | | | US 2000-258335P | P 20001227 |

L12 ANSWER 18 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:488124 HCAPLUS
 DOCUMENT NUMBER: 137:59517
 TITLE: Human AURORA-1 and AURORA-2 kinases, cDNA and amino
 acid sequences, and recombinant production
 INVENTOR(S): Plowman, Gregory; Mossie, Kevin
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S.
 Ser. No. 5,268, abandoned.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
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|---|----|----------|-----------------|----------|
| US 2002081578 | A1 | 20020627 | US 1998-12135 | 19980122 |
| CN 1205740 | A | 19990120 | CN 1996-199101 | 19961125 |
| US 5962312 | A | 19991005 | US 1996-755728 | 19961125 |
| CA 2318352 | AA | 19990729 | CA 1999-2318352 | 19990121 |
| WO 9937788 | A2 | 19990729 | WO 1999-US1283 | 19990121 |
| WO 9937788 | A3 | 19990930 | | |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 9925605 | A1 | 19990809 | AU 1999-25605 | 19990121 |
| EP 1051500 | A2 | 20001115 | EP 1999-905450 | 19990121 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI | | | | |
| JP 2002508937 | T2 | 20020326 | JP 2000-528695 | 19990121 |
| US 6207401 | B1 | 20010327 | US 1999-283011 | 19990331 |
| PRIORITY APPLN. INFO.: | | | | |
| US 1995-8809P P 19951218 | | | | |
| US 1996-23943P P 19960814 | | | | |
| US 1996-755728 A2 19961125 | | | | |
| US 1998-5268 B2 19980109 | | | | |
| US 1998-12135 A 19980122 | | | | |
| WO 1999-US1283 W 19990121 | | | | |

L12 ANSWER 19 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:404409 HCPLUS
 DOCUMENT NUMBER: 137:152764
 TITLE: Alternative splice variants of doublecortin-like kinase are differentially **expressed** and have different kinase activities
 AUTHOR(S): Burgess, Harold A.; Reiner, Orly
 CORPORATE SOURCE: Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, 76100, Israel
 SOURCE: Journal of Biological Chemistry (2002), 277(20), 17696-17705
 CODEN: JBCHA3; ISSN: 0021-9258
 PUBLISHER: American Society for Biochemistry and Molecular Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 20 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:391912 HCPLUS
 DOCUMENT NUMBER: 137:1836
 TITLE: Measurement of DNA methylation for analysis of the toxicology of substances
 INVENTOR(S): Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt
 PATENT ASSIGNEE(S): Epigenomics Ag, Germany
 SOURCE: PCT Int. Appl., 113 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

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|------------------------|--|----------|--------------------|----------|
| WO 2002040710 | A2 | 20020523 | WO 2001-EP12951 | 20011108 |
| WO 2002040710 | A3 | 20030530 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| DE 10056802 | A1 | 20020529 | DE 2000-10056802 | 20001114 |
| AU 2002023672 | A5 | 20020527 | AU 2002-23672 | 20011108 |
| PRIORITY APPLN. INFO.: | | | DE 2000-10056802 A | 20001114 |
| | | | WO 2001-EP12951 W | 20011108 |

L12 ANSWER 21 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:293825 HCPLUS
 DOCUMENT NUMBER: 136:321268
 TITLE: Protein and cDNA sequences of **human kinase** sequence homologs
 INVENTOR(S): Turner, C. Alexander, Jr.; Mathur, Brian
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-------------------|----------|
| WO 2002031129 | A2 | 20020418 | WO 2001-US32010 | 20011011 |
| WO 2002031129 | A3 | 20030206 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2002013183 | A5 | 20020422 | AU 2002-13183 | 20011011 |
| US 2002128458 | A1 | 20020912 | US 2001-975326 | 20011011 |
| US 6476210 | B2 | 20021105 | | |
| US 2003023063 | A1 | 20030130 | US 2002-217357 | 20020809 |
| PRIORITY APPLN. INFO.: | | | US 2000-239821P P | 20001012 |
| | | | US 2001-975326 A1 | 20011011 |
| | | | WO 2001-US32010 W | 20011011 |

L12 ANSWER 22 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:177948 HCPLUS
 DOCUMENT NUMBER: 137:74937
 TITLE: Phosphorylation of a novel zinc-finger-like protein, ZPR9, by murine protein **serine/threonine** kinase 38 (MPK38)
 AUTHOR(S): Seong, Hyun-A.; Gil, Minchan; Kim, Kyong-Tai; Kim, Sung-Jin; Ha, Hyunjung
 CORPORATE SOURCE: Department of Biochemistry, School of Life Sciences, Research Center for Bioresource and Health, Chungbuk

SOURCE: National University, Chungbuk, 361-763, S. Korea
 Biochemical Journal (2002), 361(3), 597-604
 CODEN: BIJOAK; ISSN: 0264-6021
 PUBLISHER: Portland Press Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 23 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:72748 HCAPLUS
 DOCUMENT NUMBER: 136:146104
 TITLE: Human stress genes identified using DNA microarrays
 INVENTOR(S): Chenchik, Alex; Lukashev, Matvey E.
 PATENT ASSIGNEE(S): Clontech, USA
 SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S. Ser. No. 441,920.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2002009730 | A1 | 20020124 | US 2001-782909 | 20010213 |
| PRIORITY APPLN. INFO.: | | | US 1998-222256 | B2 19981228 |
| | | | US 1999-440305 | B2 19991117 |
| | | | US 1999-441920 | A2 19991117 |

L12 ANSWER 24 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:868653 HCAPLUS
 DOCUMENT NUMBER: 136:15959
 TITLE: Nucleic acid encoding a human **serine/threonine** protein kinase and its screening and therapeutic uses
 INVENTOR(S): Wei, Ming-hHi; Zhu, Shiaoping; Woodage, Trevor; Di Francesco, Valentina; Beasley, Ellen M.
 PATENT ASSIGNEE(S): Applera Corporation, USA
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2001090328 | A2 | 20011129 | WO 2001-US16760 | 20010524 |
| WO 2001090328 | A3 | 20020718 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| US 6482935 | B1 | 20021119 | US 2000-691861 | 20001018 |
| EP 1290185 | A2 | 20030312 | EP 2001-937689 | 20010524 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | |

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 US 2003022232 A1 20030130 US 2002-259740 20020930
 PRIORITY APPLN. INFO.: US 2000-206550P P 20000524
 US 2000-691861 A 20001018
 WO 2001-US16760 W 20010524

L12 ANSWER 25 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:851353 HCAPLUS
 DOCUMENT NUMBER: 136:2248
 TITLE: Human and mouse neuronal serine-threonine protein kinases and cDNAs and methods for diagnosis and treatment of neurological diseases and cancer
 INVENTOR(S): Schneider, Armin; Klaussner, Bettina; Fischer, Achim; Newrzella, Dieter; Goetz, Bernhard; Rossner, Moritz; Eisenhardt, Gisela; Kuner, Rohini; Trutzel, Annette; Kammandel, Birgitta; Jomana, Naim Stephanie; Schwaninger, Markus
 PATENT ASSIGNEE(S): Basf-Lynx Bioscience A.-G., Germany
 SOURCE: PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|--------------------|----------|
| WO 2001088108 | A1 | 20011122 | WO 2001-EP5660 | 20010517 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| DE 10024171 | A1 | 20011220 | DE 2000-10024171 | 20000517 |
| EP 1282700 | A1 | 20030212 | EP 2001-936370 | 20010517 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRIORITY APPLN. INFO.: | | | DE 2000-10024171 A | 20000517 |
| | | | WO 2001-EP5660 W | 20010517 |

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 26 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:763200 HCAPLUS
 DOCUMENT NUMBER: 135:328144
 TITLE: Novel human protein and cDNA sequences of kinases and its therapeutic use
 INVENTOR(S): Plowman, Gregory; Whyte, David; Manning, Gerard; Sudarsanam, Sucha; Martinez, Ricardo; Caenepeel, Sean Sugden, Inc., USA
 PATENT ASSIGNEE(S):
 SOURCE: PCT Int. Appl., 167 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2001077338 | A2 | 20011018 | WO 2001-US11675 | 20010410 |
| WO 2001077338 | A3 | 20020829 | | |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1278859 | A2 | 20030129 | EP 2001-924901 | 20010410 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRIORITY APPLN. INFO.: | | | US 2000-195953P | P 20000410 |
| | | | US 2000-201015P | P 20000501 |
| | | | US 2000-213805P | P 20000622 |
| | | | WO 2001-US11675 | W 20010410 |

L12 ANSWER 27 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:711043 HCPLUS
 DOCUMENT NUMBER: 136:275290
 TITLE: WNK kinases, a novel protein kinase subfamily in multi-cellular organisms
 AUTHOR(S): Verissimo, Fatima; Jordan, Peter
 CORPORATE SOURCE: Centre for Human Genetics, National Institute of Health "Dr. Ricardo Jorge", Lisbon, 1649-016, Port.
 SOURCE: Oncogene (2001), 20(39), 5562-5569
 PUBLISHER: Nature Publishing Group
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 28 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:618177 HCPLUS
 DOCUMENT NUMBER: 135:191337
 TITLE: Protein and cDNA sequences of novel **human** kinase homologs and uses thereof in diagnosis, therapy and drug screening
 INVENTOR(S): Walke, D. Wade; Hu, Yi; Nepomnichy, Boris; Turner, C. Alexander, Jr.; Zambrowicz, Brian
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|---|----------|-----------------|----------|
| WO 2001061016 | A2 | 20010823 | WO 2001-US5356 | 20010215 |
| WO 2001061016 | A3 | 20020207 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, | | | |

ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 2002038011 A1 20020328 US 2001-783320 20010215
 EP 1257652 A2 20021120 EP 2001-912839 20010215
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 PRIORITY APPLN. INFO.: US 2000-183582P P 20000218
 US 2000-184014P P 20000222
 WO 2001-US5356 W 20010215

L12 ANSWER 29 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:397023 HCPLUS
 DOCUMENT NUMBER: 135:30738
 TITLE: Novel human protein kinases and protein kinase-like enzymes and their cDNA sequences
 INVENTOR(S): Plowman, Gregory D.; Whyte, David; Manning, Gerard;
 Sudarsanam, Sucha; Martinez, Ricardo; Flanagan, Peter;
 Clary, Douglas
 PATENT ASSIGNEE(S): Sugen, Inc., USA
 SOURCE: PCT Int. Appl., 433 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|----------|-----------------|-------------|
| WO 2001038503 | A2 | 20010531 | WO 2000-US32085 | 20001122 |
| WO 2001038503 | A3 | 20020131 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1240194 | A2 | 20020918 | EP 2000-982200 | 20001122 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| JP 2003514583 | T2 | 20030422 | JP 2001-540254 | 20001122 |
| PRIORITY APPLN. INFO.: | | | US 1999-167482P | A1 19991124 |
| | | | WO 2000-US32085 | W 20001122 |

L12 ANSWER 30 OF 56 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:368058 HCPLUS
 DOCUMENT NUMBER: 135:328609
 TITLE: Novel type of signaling molecules: protein kinases covalently linked with ion channels
 AUTHOR(S): Ryazanova, L. V.; Pavur, K. S.; Petrov, A. N.;
 Dorovkov, M. V.; Ryazanov, A. G.
 CORPORATE SOURCE: Department of Pharmacology, Robert Wood Johnson
 Medical School, University of Medicine and Dentistry
 of New Jersey, Piscataway, NJ, 08854, USA
 SOURCE: Molecular Biology (Moscow, Russian Federation, English
 Language) (Translation of Molekulyarnaya Biologiya)
 (2001), 35(2), 271-283
 CODEN: MOLBBJ; ISSN: 0026-8933

PUBLISHER: MAIK Nauka/Interperiodica Publishing
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 31 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:756836 HCAPLUS
 DOCUMENT NUMBER: 133:318300
 TITLE: Human homologs of Drosophila fused gene and protein
 INVENTOR(S): Mosca, Monica; Isacchi, Antonella
 PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A, Italy
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1 .
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|----------|-----------------|------------|
| WO 2000063352 | A2 | 20001026 | WO 2000-EP2761 | 20000329 |
| WO 2000063352 | A3 | 20010201 | | |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1171580 | A2 | 20020116 | EP 2000-926771 | 20000329 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | |
| JP 2002541837 | T2 | 20021210 | JP 2000-612431 | 20000329 |
| PRIORITY APPLN. INFO.: | | | GB 1999-8798 | A 19990416 |
| | | | WO 2000-EP2761 | W 20000329 |

L12 ANSWER 32 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:756527 HCAPLUS
 DOCUMENT NUMBER: 133:325643
 TITLE: Antifibrotic formulations containing inhibitors of
 cell-volume-regulated **human kinase**
 h-sgk
 INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten;
 Broer, Stefan; Klingel, Karin
 PATENT ASSIGNEE(S): Germany
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2000062781 | A1 | 20001026 | WO 2000-EP3578 | 20000419 |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, | | | |

TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
DE 19917990 A1 20001102 DE 1999-19917990 19990420
BR 2000009914 A 20020108 BR 2000-9914 20000419
EP 1171131 A1 20020116 EP 2000-922655 20000419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
JP 2002542196 T2 20021210 JP 2000-611917 20000419
NO 2001005054 A 20011214 NO 2001-5054 20011017
PRIORITY APPLN. INFO.: DE 1999-19917990 A 19990420
WO 2000-EP3578 W 20000419

REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 33 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:668346 HCAPLUS
DOCUMENT NUMBER: 134:14614
TITLE: SPAK, a STE20/SPS1-related kinase that activates the p38 pathway
AUTHOR(S): Johnston, Anne M.; Naselli, Gaetano; Gómez, L. Jorge;
Martin, Roland M.; Harrison, Leonard C.; DeAizpurua,
Henry J.
CORPORATE SOURCE: Autoimmunity and Transplantation Division, The Walter
and Eliza Hall Institute of Medical Research,
Parkville, 3050, Australia
SOURCE: Oncogene (2000), 19(37), 4290-4297
CODEN: ONCNES; ISSN: 0950-9232
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 34 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:341453 HCAPLUS
DOCUMENT NUMBER: 133:131554
TITLE: Characterization of PDZ-binding kinase, a mitotic kinase
AUTHOR(S): Gaudet, Suzanne; Branton, Daniel; Lue, Robert A.
CORPORATE SOURCE: Department of Molecular and Cellular Biology, Harvard
University, Cambridge, MA, 02138, USA
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America (2000), 97(10), 5167-5172
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 35 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:129376 HCAPLUS
DOCUMENT NUMBER: 132:290285
TITLE: PSK, a novel STE20-like kinase derived from prostatic carcinoma that activates the c-Jun N-terminal kinase mitogen-activated protein kinase pathway and regulates actin cytoskeletal organization
AUTHOR(S): Moore, Tanya M.; Garg, Ritu; Johnson, Caroline;
Coptcoat, Malcolm J.; Ridley, Anne J.; Morris,

CORPORATE SOURCE: Jonathan D. H.
Molecular Oncology Laboratory, Department of Academic
Surgery, Rayne Institute, King's College School of
Medicine and Dentistry, London, SE5 9NU, UK

SOURCE: Journal of Biological Chemistry (2000), 275(6),
4311-4322
CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 36 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:315403 HCPLUS
DOCUMENT NUMBER: 131:99243
TITLE: Characterization of a novel type of **serine/threonine** kinase that specifically phosphorylates the human Goodpasture antigen
Raya, Angel; Revert, Fernando; Navarro, Samuel; Saus, Juan

AUTHOR(S):

CORPORATE SOURCE: Fundacion Valenciana de Investigaciones Biomedicas,
Instituto de Investigaciones Citologicas, Valencia,
46010, Spain

SOURCE: Journal of Biological Chemistry (1999), 274(18),
12642-12649
CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular
Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 37 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:297827 HCPLUS
DOCUMENT NUMBER: 131:140207
TITLE: Human Minibrain Homologue (MNBH/DYRK1):
Characterization, Alternative Splicing, Differential
Tissue **Expression**, and Overexpression in
Down Syndrome
Guimera, Jordi; Casas, Caty; Estivill, Xavier;
Pritchard, Melanie

CORPORATE SOURCE: Medical and Molecular Genetics Center-IRO, Hospital
Duran i Reynals, Barcelona, 08907, Spain

SOURCE: Genomics (1999), 57(3), 407-418
CODEN: GNMCEP; ISSN: 0888-7543

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 38 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:42532 HCPLUS
DOCUMENT NUMBER: 130:106933
TITLE: A human homolog of the rat serum glucocorticoid-regulated kinase and a cDNA encoding it
Kumar, Sanjay; Zou, Cheng
Smithkline Beecham Corporation, USA
Eur. Pat. Appl., 27 pp.

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|--|-----------------|------------|
| EP 889127 | A1 | 19990107 | EP 1998-304830 | 19980618 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| CA 2235785 | AA | 19990101 | CA 1998-2235785 | 19980623 |
| JP 11123086 | A2 | 19990511 | JP 1998-186223 | 19980701 |
| US 2001027184 | A1 | 20011004 | US 2001-784249 | 20010215 |
| PRIORITY APPLN. INFO.: | | | US 1997-51446P | P 19970701 |
| | | | US 1997-997212 | A 19971223 |
| REFERENCE COUNT: | 5 | THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L12 ANSWER 39 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:513247 HCAPLUS
DOCUMENT NUMBER: 129:240625
TITLE: Human ULK1, a novel **serine/threonine** kinase related to UNC-51 kinase of *Caenorhabditis elegans*: cDNA cloning, expression, and chromosomal assignment
AUTHOR(S): Kuroyanagi, Hidehito; Yan, Jin; Seki, Naohiko; Yamanouchi, Yasuko; Suzuki, Yo-ichi; Takano, Takako; Muramatsu, Masa-aki; Shirasawa, Takuji
CORPORATE SOURCE: Department of Mol. Genetics, Tokyo Metropolitan Inst. of Gerontology, Tokyo, 173-0015, Japan
SOURCE: Genomics (1998), 51(1), 76-85
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 40 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:29361 HCAPLUS
DOCUMENT NUMBER: 128:152647
TITLE: Peutz-Jeghers syndrome is caused by mutations in a novel **serine threonine** kinase
AUTHOR(S): Jenne, Dieter E.; Reimann, Heike; Nezu, Jun-ichi; Friedel, Waltraut; Loff, Steffan; Jeschke, Reinhard; Muller, Oliver; Back, Walter; Zimmer, Michael
CORPORATE SOURCE: Dep. Neuroimmunol., Max-Planck-Inst. Psychiatry, Martinsried, 82152, Germany
SOURCE: Nature Genetics (1998), 18(1), 38-43
PUBLISHER: Nature America
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 41 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:705075 HCAPLUS
DOCUMENT NUMBER: 128:10745
TITLE: Cloning and partial sequencing of a novel human activin receptor-like kinase

AUTHOR(S): Ohno, Tsukasa; Imai, Atsushi; Takagi, Atsushi; Horibe, Shinji; Takagi, Hiroshi; Tamaya, Teruhiko
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Gifu University School of Medicine, Tsukasamachi, 500, Japan
SOURCE: Oncology Reports (1997), 4(6), 1349-1351
CODEN: OCRPEW; ISSN: 1021-335X
PUBLISHER: Oncology Reports
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 42 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:702583 HCAPLUS
DOCUMENT NUMBER: 128:44418
TITLE: Identification of two novel human putative **serine/threonine** kinases, VRK1 and VRK2, with structural similarity to vaccinia virus B1R kinase

AUTHOR(S): Nezu, Jun-ichi; Oku, Asuka; Jones, Michael H.; Shimane, Miyuki
CORPORATE SOURCE: Gene Search Program, Chugai Res. Inst. Mol. Med., Niihari, 300-41, Japan
SOURCE: Genomics (1997), 45(2), 327-331
CODEN: GNMCEP; ISSN: 0888-7543
PUBLISHER: Academic
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 43 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:316553 HCAPLUS
DOCUMENT NUMBER: 127:1463
TITLE: Human SAK related to the PLK/polo family of cell cycle kinases shows high mRNA **expression** in **testis**

AUTHOR(S): Karn, Thomas; Holtrich, Uwe; Wolf, Georg; Hock, Bjoern; Strehhardt, Klaus; Ruebsamen-Waigmann, Helga
CORPORATE SOURCE: Chemotherapeutisches Forschungsinstitut, Frankfurt, 60596, Germany
SOURCE: Oncology Reports (1997), 4(3), 505-510
CODEN: OCRPEW; ISSN: 1021-335X
PUBLISHER: Oncology Reports
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 44 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:558103 HCAPLUS
DOCUMENT NUMBER: 125:239716
TITLE: A human homolog of Drosophila minibrain (MNB) is **expressed** in the neuronal regions affected in Down syndrome and maps to the critical region

AUTHOR(S): Guimera, Jordi; Casas, Caty; Pucharcos, Carles; Solans, Asun; Domenech, Anna; Planas, Anna M.; Ashley, Jennifer; Lovett, Michael; Estivill, Xavier; Pritchard, Melanie A.
CORPORATE SOURCE: Mol. Genetics Dep., Cancer Res. Inst., Barcelona, 08907, Spain
SOURCE: Human Molecular Genetics (1996), 5(9), 1305-1310
CODEN: HMGEE5; ISSN: 0964-6906
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 45 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:498524 HCAPLUS
 DOCUMENT NUMBER: 125:215535
 TITLE: prk, A cytokine-inducible human protein **serine**
/threonine kinase whose **expression**
 appears to be down-regulated in lung carcinomas
 Li, Bo; Ouyang, Bin; Pan, Huiqi; Reissmann, Peter T.;
 Slamon, Dennis J.; Arceci, Robert; Lu, Luo; Dai, Wei
 Div. Hematol. Oncol., Univ. Cincinnati Coll. Med.,
 Cincinnati, OH, 45267, USA
 SOURCE: Journal of Biological Chemistry (1996), 271(32),
 19402-19408
 CODEN: JBCHA3; ISSN: 0021-9258
 PUBLISHER: American Society for Biochemistry and Molecular
 Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L12 ANSWER 46 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:366094 HCAPLUS
 DOCUMENT NUMBER: 125:80511
 TITLE: Human p21 protein-activated protein **serine**
 kinase p65 (PAK65) and a cDNA encoding it and its
 therapeutic applications
 INVENTOR(S): Abo, Arie; Martin, George A.
 PATENT ASSIGNEE(S): Onyx Pharmaceuticals, Inc., USA
 SOURCE: U.S., 42 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 5518911 | A | 19960521 | US 1995-369780 | 19950106 |
| US 5605825 | A | 19970225 | US 1995-475682 | 19950607 |
| CA 2209426 | AA | 19960711 | CA 1996-2209426 | 19960105 |
| WO 9620948 | A1 | 19960711 | WO 1996-US487 | 19960105 |
| W: AU, CA, JP | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9647560 | A1 | 19960724 | AU 1996-47560 | 19960105 |
| AU 702308 | B2 | 19990218 | | |
| EP 802921 | A1 | 19971029 | EP 1996-903482 | 19960105 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE | | | | |
| JP 10512143 | T2 | 19981124 | JP 1996-521283 | 19960105 |
| US 5698445 | A | 19971216 | US 1996-636036 | 19960422 |
| US 5698428 | A | 19971216 | US 1997-780833 | 19970110 |
| US 6013464 | A | 20000111 | US 1997-918509 | 19970822 |
| US 6048706 | A | 20000411 | US 1998-108262 | 19980701 |
| PRIORITY APPLN. INFO.: | | | US 1995-369780 | 19950106 |
| | | | US 1995-475682 | 19950607 |
| | | | WO 1996-US487 | 19960105 |
| | | | US 1997-780833 | 19970110 |
| | | | US 1997-918509 | 19970822 |

L12 ANSWER 47 OF 56 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:312447 HCAPLUS
 DOCUMENT NUMBER: 125:27254
 TITLE: Cloning and characterization of GRB14, a
 novel member of the GRB7 gene family
 AUTHOR(S): Daly, Roger J.; Sanderson, Georgina M.; Janes, Peter

CORPORATE SOURCE: W.; Sutherland, Robert L.
Cancer Biol. Div., Garvan Inst. Med. Res., New South Wales, 2010, Australia
SOURCE: Journal of Biological Chemistry (1996), 271(21), 12502-12510
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 48 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:117590 HCPLUS
DOCUMENT NUMBER: 124:224537
TITLE: 3pK, a new mitogen-activated protein kinase-activated protein kinase located in the small cell lung cancer tumor suppressor gene region
AUTHOR(S): Sithanandam, Gunamani; Latif, Farida; Duh, Fuh-Mei; Bernal, Ricardo; Smola, Ute; Li, Hua; Kuzmin, Igor; Wixler, Viktor; Geil, Laura; et al.
CORPORATE SOURCE: Biological Carcinogenesis Development Program, PRI/DynCorp, Frederick, MD, 21702-1201, USA
SOURCE: Molecular and Cellular Biology (1996), 16(3), 868-76
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 49 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:727998 HCPLUS
DOCUMENT NUMBER: 123:277512
TITLE: A human homolog of the Drosophila tumor suppressor gene l(2)gl maps to 17p11.2-12 and codes for a cytoskeletal protein that associates with nonmuscle myosin II heavy chain
AUTHOR(S): Strand, Dennis; Unger, Sylvia; Corvi, Raffaella; Hartenstein, Kirsten; Schenkel, Heide; Kalmes, Andreas; Merdes, Gunter; Neumann, Beate; Krieg-Schneider, Frank
CORPORATE SOURCE: Dep. of Developmental Genetics, Deutsches Krebsforschungszentrum, Heidelberg, D-69120, Germany
SOURCE: Oncogene (1995), 11(2), 291-301
PUBLISHER: Macmillan Scientific & Medical Division
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 50 OF 56 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:613945 HCPLUS
DOCUMENT NUMBER: 123:50541
TITLE: Characterization of myotonic dystrophy kinase (DMK) protein in human and rodent muscle and central nervous tissue
AUTHOR(S): Whiting, Elisabeth J.; Waring, James D.; Tamai, Katsuyuki; Somerville, Martin J.; Hincke, Maxwell; Staines, William A.; Ikeda, Joh-E.; Korneluk, Robert G.
CORPORATE SOURCE: Dep. Microbiol. Immunol., Univ. Ottawa, Ottawa, ON, Can.
SOURCE: Human Molecular Genetics (1995), 4(6), 1063-72
PUBLISHER: Oxford University Press

DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 51 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:695669 HCAPLUS
DOCUMENT NUMBER: 121:295669
TITLE: Identification and characterization of DBK, a novel putative **serine/threonine** protein kinase from human endothelial cells
AUTHOR(S): Chu, Wei; Presky, David H.; Danho, Waleed; Swerlick, Robert A.; Burns, Daniel K.
CORPORATE SOURCE: Dep. Inflammation/Autoimmune Diseases, Hoffman-La Roche Inc., Nutley, NJ, USA
SOURCE: European Journal of Biochemistry (1994), 225(2), 695-72
CODEN: EJBCAI; ISSN: 0014-2956

DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 52 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:674996 HCAPLUS
DOCUMENT NUMBER: 121:274996
TITLE: A novel dual specificity phosphatase induced by serum stimulation and heat shock
AUTHOR(S): Ishibashi, Toshio; Boattaro, Donald P.; Michieli, Paolo; Kelley, Christine A.; Aaronson, Stuart A.
CORPORATE SOURCE: NCI, National Inst. Health, Bethesda, MD, 20892, USA
SOURCE: Journal of Biological Chemistry (1994), 269(47), 29897-902
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 53 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:573842 HCAPLUS
DOCUMENT NUMBER: 121:173842
TITLE: Cloning of a novel putative protein kinase having a leucine zipper domain from human brain
AUTHOR(S): Reddy, Usha R.; Pleasure, David
CORPORATE SOURCE: Neurology Research, Children's Hosp. of Philadelphia, Philadelphia, PA, 19104, USA
SOURCE: Biochemical and Biophysical Research Communications (1994), 202(1), 613-20
CODEN: BBRCA9; ISSN: 0006-291X

DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 54 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:552099 HCAPLUS
DOCUMENT NUMBER: 121:152099
TITLE: Two novel human **serine/threonine** kinases with homologies to the cell cycle regulating Xenopus MO15, and NIMA kinases: cloning and characterization of their **expression** pattern
AUTHOR(S): Levedakou, Eleni N.; He, Mei; Baptist, Edward W.; Craven, Rolf J.; Cance, William G.; Welcsh, Piri L.; Simmins, Andrew; Naylor, Susan L.; Leach, Robin J.; et al.
CORPORATE SOURCE: Lineberger Comprehensive Cancer Center, University

SOURCE: North Carolina, Chapel Hill, NC, 27599, USA
Oncogene (1994), 9(7), 1977-88
CODEN: ONCNES; ISSN: 0950-9232

DOCUMENT TYPE: Journal
LANGUAGE: English

L12 ANSWER 55 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:477177 HCAPLUS
DOCUMENT NUMBER: 121:77177

TITLE: Differential expression of a novel protein kinase in human B lymphocytes. Preferential localization in the germinal center

AUTHOR(S): Katz, Paul; Wahlen, Gail; Kehrl, John H.

CORPORATE SOURCE: Lab. Immunoregul., Natl. Inst. Health, Bethesda, MD, 20892, USA

SOURCE: Journal of Biological Chemistry (1994), 269(24), 16802-9

DOCUMENT TYPE: Journal
LANGUAGE: English

CODEN: JBCHA3; ISSN: 0021-9258

L12 ANSWER 56 OF 56 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:318218 HCAPLUS
DOCUMENT NUMBER: 120:318218

TITLE: Induction and down-regulation of PLK, a human serine/threonine kinase expressed in proliferating cells and tumors

AUTHOR(S): Holtrich, Uwe; Wolf, Georg; Braeuninger, Andreas; Karn, Thomas; Boehme, Beatrix; Ruebsamen-Waigmann, Helga; Strebhardt, Klaus

CORPORATE SOURCE: Chermotherapeutisches Forschungsinstitut, Georg-Speyer-Haus, Frankfurt, 60596, Germany

SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1994), 91(5), 1736-40

DOCUMENT TYPE: Journal
LANGUAGE: English

CODEN: PNASA6; ISSN: 0027-8424

=> e donoho g/au

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| E1 | 8 | DONOHO DAVID L/AU |
| E2 | 1 | DONOHO DAVID W/AU |
| E3 | 62 | --> DONOHO G/AU |
| E4 | 1 | DONOHO G A/AU |
| E5 | 5 | DONOHO G P/AU |
| E6 | 16 | DONOHO GREG/AU |
| E7 | 1 | DONOHO GREG A/AU |
| E8 | 1 | DONOHO GREG P/AU |
| E9 | 46 | DONOHO GREGORY/AU |
| E10 | 1 | DONOHO GREGORY PAUL/AU |
| E11 | 1 | DONOHO H R/AU |
| E12 | 1 | DONOHO H S/AU |

=> s e3

L13 62 "DONOHO G"/AU

=> s e3-e9

L14 132 ("DONOHO G"/AU OR "DONOHO G A"/AU OR "DONOHO G P"/AU OR "DONOHO GREG"/AU OR "DONOHO GREG A"/AU OR "DONOHO GREG P"/AU OR "DONOHO GREGORY"/AU)

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E2 12 HILBUN B M/AU
E3 22 --> HILBUN E/AU
E4 32 HILBUN ERIN/AU
E5 5 HILBUN G R/AU
E6 4 HILBUN L R/AU
E7 6 HILBUN LAYLA R/AU
E8 2 HILBUN N/AU
E9 1 HILBUN S/AU
E10 3 HILBUN W B/AU
E11 2 HILBUN W M/AU
E12 1 HILBUN WILLIAM MARVIN/AU

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L15 54 ("HILBUN E"/AU OR "HILBUN ERIN"/AU)

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E4 3 TURNER C A JR/AU
E5 1 TURNER C A L/AU
E6 5 TURNER C A P/AU
E7 1 TURNER C ALEX/AU
E8 8 TURNER C ALEXANDER/AU
E9 95 TURNER C ALEXANDER JR/AU
E10 82 TURNER C B/AU
E11 19 TURNER C C/AU
E12 124 TURNER C D/AU

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L16 241 ("TURNER C A"/AU OR "TURNER C A JR"/AU OR "TURNER C A L"/AU OR
"TURNER C A P"/AU OR "TURNER C ALEX"/AU OR "TURNER C ALEXANDER"/
AU OR "TURNER C ALEXANDER JR"/AU)

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E3 830 --> FRIEDRICH G/AU
E4 36 FRIEDRICH G A/AU
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E6 3 FRIEDRICH G B/AU
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E12 1 FRIEDRICH G L/AU

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L17 830 "FRIEDRICH G"/AU

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E5 59 ZAMBROWICZ B P/AU
E6 1 ZAMBROWICZ BRAIN P/AU
E7 88 ZAMBROWICZ BRIAN/AU
E8 32 ZAMBROWICZ BRIAN P/AU
E9 1 ZAMBROWICZ BRIAN PETER/AU

E10 1 ZAMBROWICZ BRYGIDA E/AU
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E12 11 ZAMBROWICZ E B/AU

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L18 75 "ZAMBROWICZ B"/AU

=> s e3-e9
L19 260 ("ZAMBROWICZ B"/AU OR "ZAMBROWICZ B E"/AU OR "ZAMBROWICZ B P"/AU
OR "ZAMBROWICZ BRAIN P"/AU OR "ZAMBROWICZ BRIAN"/AU OR "ZAMBROW
ICZ BRIAN P"/AU OR "ZAMBROWICZ BRIAN PETER"/AU)

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E1 23 SANDS A M/AU
E2 6 SANDS A R/AU
E3 120 --> SANDS A T/AU
E4 1 SANDS A W/AU
E5 1 SANDS ALAN R/AU
E6 1 SANDS ALICIA/AU
E7 1 SANDS ALLAN R/AU
E8 1 SANDS AMY/AU
E9 2 SANDS AMY M/AU
E10 2 SANDS ANDREW/AU
E11 1 SANDS ANITA J/AU
E12 11 SANDS ARTHUR/AU

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L20 120 "SANDS A T"/AU

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(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?
L2 1344 S HUMAN (A) L1
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT
L4 895 S L2 AND L3
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH
L7 209 S L4 AND L5
L8 105 S L4 AND L6
L9 249 S L7 OR L8
L10 202 DUP REM L9 (47 DUPLICATES REMOVED)
L11 374311 S SERINE OR THREONINE
L12 56 S L10 AND L11
E DONOHO G/AU
L13 62 S E3
L14 132 S E3-E9
E HILBUN E/AU
L15 54 S E3-E4
E TURNER C A/AU
L16 241 S E3-E9
E FRIEDRICH G/AU
L17 830 S E3
E ZAMBROWICZ B/AU
L18 75 S E3
L19 260 S E3-E9
E SANDS A T/AU
L20 120 S E3

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L21 1293 L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20

=> s 112 and 121
L22 56 L12 AND L21

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PROCESSING COMPLETED FOR L22
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)

=> s 110 and 121
L24 58 L10 AND L21

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L24 ANSWER 1 OF 58 MEDLINE
ACCESSION NUMBER: 2002359354 MEDLINE
DOCUMENT NUMBER: 22097604 PubMed ID: 12103360
TITLE: The identification and subcellular localization of human MRK.
AUTHOR: Yang Tao; Jiang Yunai; Chen Jiangye
CORPORATE SOURCE: State Key Laboratory of Molecular Biology, Institute of Biochemistry and Cell Biology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China.
SOURCE: BIOMOLECULAR ENGINEERING, (2002 Jun) 19 (1) 1-4.
Journal code: 100928062. ISSN: 1389-0344.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20020710
Last Updated on STN: 20021228
Entered Medline: 20021227

L24 ANSWER 2 OF 58 MEDLINE
ACCESSION NUMBER: 2000483169 MEDLINE
DOCUMENT NUMBER: 20445994 PubMed ID: 10990492
TITLE: Isolation and **expression** of PASK, a **serine/threonine** kinase, during rat embryonic development, with special emphasis on the **pancreas**.
AUTHOR: Miao N; Fung B; Sanchez R; Lydon J; Barker D; Pang K
CORPORATE SOURCE: Ontogeny, Inc., Cambridge, Massachusetts 02138-1118, USA.
SOURCE: JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (2000 Oct) 48 (10) 1391-400.
Journal code: 9815334. ISSN: 0022-1554.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200010
ENTRY DATE: Entered STN: 20001019
Last Updated on STN: 20020420
Entered Medline: 20001010

L24 ANSWER 3 OF 58 MEDLINE
ACCESSION NUMBER: 92348472 MEDLINE
DOCUMENT NUMBER: 92348472 PubMed ID: 1639825
TITLE: **Expression** of TTK, a novel human protein kinase, is associated with cell proliferation.
AUTHOR: Mills G B; Schmandt R; McGill M; Amendola A; Hill M; Jacobs

CORPORATE SOURCE: K; May C; Rodricks A M; Campbell S; Hogg D
Oncology Research, Toronto General Hospital, Ontario,
Canada.

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 5) 267 (22)
16000-6.
Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-M86699; GENBANK-M94136; GENBANK-M94137;
GENBANK-M94138; GENBANK-M94139; GENBANK-M94140;
GENBANK-M94141; GENBANK-M94142; GENBANK-M94143;
GENBANK-M94144

ENTRY MONTH: 199208

ENTRY DATE: Entered STN: 19920911
Last Updated on STN: 19920911
Entered Medline: 19920828

L24 ANSWER 4 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:74113 BIOSIS

DOCUMENT NUMBER: PREV200200074113

TITLE: Cell volume-regulated **human kinase**
h-sgk.

AUTHOR(S): Lang, Florian (1); Waldegger, Siegfried

CORPORATE SOURCE: (1) Im Rotbad 52, 72076 Tubingen Germany

PATENT INFORMATION: US 6326181 December 04, 2001

SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1, pp. No
Pagination. <ftp://ftp.uspto.gov/pub/patdata/>. e-file.
ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

L24 ANSWER 5 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:266075 BIOSIS

DOCUMENT NUMBER: PREV200000266075

TITLE: Characterization of hPRP4 kinase activation: Potential role
in signaling.

AUTHOR(S): Huang, Yong (1); Deng, Tiliang; Winston, Brent W. (1)

CORPORATE SOURCE: (1) Department of Medicine, University of Calgary, Calgary,
Alberta, T2N 4N1 Canada

SOURCE: Biochemical and Biophysical Research Communications, (May
10, 2000) Vol. 271, No. 2, pp. 456-463. print..
ISSN: 0006-291X.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L24 ANSWER 6 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI

ACCESSION NUMBER: 2003-01882 BIOTECHDS

TITLE: New peptides related to **serine/threonine**
protein kinase subfamily, useful for treating disorders
associated with abnormal **expression** of kinase in
prostate, lungs and **brain**, in drug
screening assays and pharmacogenomic analysis;
recombinant protein production and sense and
antisense sequence use in gene therapy

AUTHOR: BEASLEY E M; YE J; YAN C; KETCHUM K A; DI FRANCESCO V

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: WO 2002059288. 1 Aug 2002

APPLICATION INFO: WO 2002-US930 15 Jan 2002

PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-599781 [64]

L24 ANSWER 7 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-17807 BIOTECHDS
TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein kinases, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation;
recombinant protein production by vector-mediated gene transfer and expression in host cell, useful for gene therapy
AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6387677 14 May 2002
APPLICATION INFO: US 2001-800960 8 Mar 2001
PRIORITY INFO: US 2001-800960 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-478444 [51]

L24 ANSWER 8 OF 58 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
ACCESSION NUMBER: 2002-12233 BIOTECHDS
TITLE: New recombinant, modified adenovirus vectors for regulating transgene expression in tumor cells, useful in gene therapy, particularly for treating cancers, e.g. cervical, lung, liver or breast;
adeno virus vector-mediated gene transfer and expression in cancer cell for recombinant protein production and cancer gene therapy
AUTHOR: LIEBER A; STEINWAERDER D S; CARLSON C A; MI J
PATENT ASSIGNEE: UNIV WASHINGTON
PATENT INFO: WO 2001083796 8 Nov 2001
APPLICATION INFO: WO 2000-US14428 3 May 2000
PRIORITY INFO: US 2000-202367 3 May 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-240307 [29]

L24 ANSWER 9 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:409169 HCAPLUS
DOCUMENT NUMBER: 138:380506
TITLE: Genes that are differentially expressed during erythropoiesis and their diagnostic and therapeutic uses
INVENTOR(S): Brissette, William H.; Neote, Kuldeep S.; Zagouras, Panayiotis; Zenke, Martin; Lemke, Britt; Hacker, Christine
PATENT ASSIGNEE(S): Pfizer Products Inc., USA; Max-Delbrück-Centre for Molecular Medicine
SOURCE: PCT Int. Appl., 285 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2003038130 | A2 | 20030508 | WO 2002-XA34888 | 20021031 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

WO 2003038130 A2 20030508 WO 2002-US34888 20021031
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
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 TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
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 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-335048P P 20011031
 US 2001-335183P P 20011102
 WO 2002-US34888 A 20021031

L24 ANSWER 10 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2003:305167 HCPLUS
 DOCUMENT NUMBER: 138:298879
 TITLE: Human 12.54-kDa serine/threonine
 protein kinase like protein and its cDNA and
 therapeutic use
 INVENTOR(S): Mao, Yumin; Xie, Yi
 PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep.
 China
 SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 34 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| CN 1358851 | A | 20020717 | CN 2000-127893 | 20001213 |
| PRIORITY APPLN. INFO.: | | | CN 2000-127893 | 20001213 |

L24 ANSWER 11 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2003:221864 HCPLUS
 DOCUMENT NUMBER: 138:249732
 TITLE: Gene expression profiling for identification
 of disease genes for use in drug screening and therapy
 INVENTOR(S): Bristow, Michael R.; Minobe, Wayne A.; Lowes, Brian
 D.; Perryman, Benjamin M.
 PATENT ASSIGNEE(S): The Regents of the University of Colorado, USA
 SOURCE: PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|--|-----------------|------------|
| WO 2003023066 | A1 | 20030320 | WO 2002-US28808 | 20020911 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| US 2003096782 | A1 | 20030522 | US 2002-241368 | 20020911 |
| PRIORITY APPLN. INFO.: | | | US 2001-318854P | P 20010911 |
| REFERENCE COUNT: | 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L24 ANSWER 12 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2003:97550 HCAPLUS
 DOCUMENT NUMBER: 138:164674
 TITLE: Molecular markers for hepatocellular carcinoma and their use in diagnosis and therapy
 INVENTOR(S): Debuschewitz, Sabine; Jobst, Juergen; Kaiser, Stephan
 PATENT ASSIGNEE(S): Germany
 SOURCE: PCT Int. Appl., 98 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|--------------------|----------|
| WO 2003010336 | A2 | 20030206 | WO 2002-EP8305 | 20020725 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| DE 10136273 | A1 | 20030213 | DE 2001-10136273 | 20010725 |
| PRIORITY APPLN. INFO.: | | | DE 2001-10136273 A | 20010725 |

L24 ANSWER 13 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:981604 HCAPLUS
 TITLE: Identification of residues which regulate activity of the STE20-related kinase hMINK
 AUTHOR(S): Lim, Jaeseung; Lennard, Andrew; Sheppard, Paul W.; Kellie, Stuart
 CORPORATE SOURCE: Yamanouchi Research Institute, Oxford, OX4 4SX, UK
 SOURCE: Biochemical and Biophysical Research Communications (2003), 300(3), 694-698
 CODEN: BBRCA9; ISSN: 0006-291X
 PUBLISHER: Elsevier Science
 DOCUMENT TYPE: Journal

LANGUAGE: English
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 14 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:941845 HCPLUS
DOCUMENT NUMBER: 138:21334
TITLE: Protein, gene and cDNA sequences of a novel human protein kinase related to **serine/threonine** kinase and their uses in drug screening
INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; Difrancesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): PE Corporation (Ny), USA
SOURCE: U.S., 107 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| US 6492156 | B1 | 20021210 | US 2001-984890 | 20011031 |
| WO 2003038115 | A2 | 20030508 | WO 2002-US34869 | 20021031 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |

PRIORITY APPLN. INFO.: US 2001-984890 A 20011031
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 15 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:732013 HCPLUS
DOCUMENT NUMBER: 138:1084
TITLE: Human **serine/threonine** protein kinase-like protein, protein and cDNA sequences, recombinant production and therapeutic uses
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Shanghai Bode Gene Development Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shengqing Gongkai Shuomingshu, 38 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| CN 1329157 | A | 20020102 | CN 2000-116663 | 20000621 |
| PRIORITY APPLN. INFO.: | | | CN 2000-116663 | 20000621 |

L24 ANSWER 16 OF 58 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:696559 HCAPLUS
 DOCUMENT NUMBER: 137:227754
 TITLE: Protein, gene and cDNA sequences of a novel
 human kinase protein related to
 serine/threonine protein kinase and
 their uses in drug screening
 INVENTOR(S): Ye, Jane; Yan, Chunhua; Di Francesco, Valentina;
 Beasley, Ellen M.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 174 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2002127683 | A1 | 20020912 | US 2001-801876 | 20010309 |
| US 6492155 | B2 | 20021210 | | |
| US 2003027307 | A1 | 20030206 | US 2002-254869 | 20020926 |
| PRIORITY APPLN. INFO.: | | | US 2001-801876 | A3 20010309 |

L24 ANSWER 17 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:575249 HCAPLUS
 DOCUMENT NUMBER: 137:136141
 TITLE: Human protein kinase, its cDNA and protein sequences,
 and use thereof
 INVENTOR(S): Yu, Xuanchuan; Miranda, Maricar; Friddle, Carl Johan
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|------------|
| WO 2002059325 | A2 | 20020801 | WO 2001-US50497 | 20011220 |
| WO 2002059325 | A3 | 20030320 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| US 2002123622 | A1 | 20020905 | US 2001-28946 | 20011220 |
| PRIORITY APPLN. INFO.: | | | US 2000-258335P | P 20001227 |

L24 ANSWER 18 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:488124 HCAPLUS
 DOCUMENT NUMBER: 137:59517
 TITLE: Human AURORA-1 and AURORA-2 kinases, cDNA and amino
 acid sequences, and recombinant production
 INVENTOR(S): Plowman, Gregory; Mossie, Kevin
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S.
 Ser. No. 5,268, abandoned.

CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 2002081578 | A1 | 20020627 | US 1998-12135 | 19980122 |
| CN 1205740 | A | 19990120 | CN 1996-199101 | 19961125 |
| US 5962312 | A | 19991005 | US 1996-755728 | 19961125 |
| CA 2318352 | AA | 19990729 | CA 1999-2318352 | 19990121 |
| WO 9937788 | A2 | 19990729 | WO 1999-US1283 | 19990121 |
| WO 9937788 | A3 | 19990930 | | |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 9925605 | A1 | 19990809 | AU 1999-25605 | 19990121 |
| EP 1051500 | A2 | 20001115 | EP 1999-905450 | 19990121 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI | | | | |
| JP 2002508937 | T2 | 20020326 | JP 2000-528695 | 19990121 |
| US 6207401 | B1 | 20010327 | US 1999-283011 | 19990331 |
| US 1995-8809P P 19951218 | | | | |
| US 1996-23943P P 19960814 | | | | |
| US 1996-755728 A2 19961125 | | | | |
| US 1998-5268 B2 19980109 | | | | |
| US 1998-12135 A 19980122 | | | | |
| WO 1999-US1283 W 19990121 | | | | |

L24 ANSWER 19 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:408781 HCPLUS
 DOCUMENT NUMBER: 137:2411
 TITLE: Protein and cDNA sequences of human
kinase sequence homologs
 INVENTOR(S): Friddle, Carl Johan; Hilbun, Erin; Mathur,
Brian; Turner, C. Alexander, Jr.
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2002042438 | A2 | 20020530 | WO 2001-US43825 | 20011119 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

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|------------------------|----|----------|-----------------|------------|
| AU 2002028633 | A5 | 20020603 | AU 2002-28633 | 20011119 |
| US 2002110908 | A1 | 20020815 | US 2001-992481 | 20011119 |
| PRIORITY APPLN. INFO.: | | | US 2000-252011P | P 20001120 |
| | | | WO 2001-US43825 | W 20011119 |

L24 ANSWER 20 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:404409 HCPLUS
 DOCUMENT NUMBER: 137:152764
 TITLE: Alternative splice variants of doublecortin-like kinase are differentially expressed and have different kinase activities
 AUTHOR(S): Burgess, Harold A.; Reiner, Orly
 CORPORATE SOURCE: Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, 76100, Israel
 SOURCE: Journal of Biological Chemistry (2002), 277(20), 17696-17705
 CODEN: JBCHA3; ISSN: 0021-9258
 PUBLISHER: American Society for Biochemistry and Molecular Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 21 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:391912 HCPLUS
 DOCUMENT NUMBER: 137:1836
 TITLE: Measurement of DNA methylation for analysis of the toxicology of substances
 INVENTOR(S): Olek, Alexander; Piepenbrock, Christian; Berlin, Kurt
 PATENT ASSIGNEE(S): Epigenomics Ag, Germany
 SOURCE: PCT Int. Appl., 113 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2002040710 | A2 | 20020523 | WO 2001-EP12951 | 20011108 |
| WO 2002040710 | A3 | 20030530 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
DE 10056802 | A1 | 20020529 | DE 2000-10056802 | 20001114 |
| AU 2002023672 | A5 | 20020527 | AU 2002-23672 | 20011108 |
| PRIORITY APPLN. INFO.: | | | DE 2000-10056802 | A 20001114 |
| | | | WO 2001-EP12951 | W 20011108 |

L24 ANSWER 22 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:293825 HCPLUS
 DOCUMENT NUMBER: 136:321268
 TITLE: Protein and cDNA sequences of human kinase sequence homologs
 INVENTOR(S): Turner, C. Alexander, Jr.; Mathur, Brian

PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2002031129 | A2 | 20020418 | WO 2001-US32010 | 20011011 |
| WO 2002031129 | A3 | 20030206 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002013183 | A5 | 20020422 | AU 2002-13183 | 20011011 |
| US 2002128458 | A1 | 20020912 | US 2001-975326 | 20011011 |
| US 6476210 | B2 | 20021105 | | |
| US 2003023063 | A1 | 20030130 | US 2002-217357 | 20020809 |
| PRIORITY APPLN. INFO.: US 2000-239821P P 20001012
US 2001-975326 A1 20011011
WO 2001-US32010 W 20011011 | | | | |

L24 ANSWER 23 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:177948 HCPLUS
 DOCUMENT NUMBER: 137:74937
 TITLE: Phosphorylation of a novel zinc-finger-like protein,
ZPR9, by murine protein **serine/threonine** kinase 38 (MPK38)
 AUTHOR(S): Seong, Hyun-A.; Gil, Minchan; Kim, Kyong-Tai; Kim,
Sung-Jin; Ha, Hyunjung
 CORPORATE SOURCE: Department of Biochemistry, School of Life Sciences,
Research Center for Bioresource and Health, Chungbuk
National University, Chungbuk, 361-763, S. Korea
 SOURCE: Biochemical Journal (2002), 361(3), 597-604
 PUBLISHER: CODEN: BIJOAK; ISSN: 0264-6021
 DOCUMENT TYPE: Portland Press Ltd.
 LANGUAGE: Journal
 REFERENCE COUNT: English
 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 24 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:72748 HCPLUS
 DOCUMENT NUMBER: 136:146104
 TITLE: Human stress genes identified using DNA microarrays
 INVENTOR(S): Chenchik, Alex; Lukashev, Matvey E.
 PATENT ASSIGNEE(S): Clontech, USA
 SOURCE: U.S. Pat. Appl. Publ., 57 pp., Cont.-in-part of U.S.
Ser. No. 441,920.
 DOCUMENT TYPE: CODEN: USXXCO
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: English
 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 2002009730 | A1 | 20020124 | US 2001-782909 | 20010213 |
| PRIORITY APPLN. INFO.: | | | US 1998-222256 | B2 19981228 |
| | | | US 1999-440305 | B2 19991117 |
| | | | US 1999-441920 | A2 19991117 |

L24 ANSWER 25 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:868653 HCPLUS
 DOCUMENT NUMBER: 136:15959
 TITLE: Nucleic acid encoding a human **serine/threonine** protein kinase and its screening and therapeutic uses
 INVENTOR(S): Wei, Ming-hHi; Zhu, Shiaoping; Woodage, Trevor; Di Francesco, Valentina; Beasley, Ellen M.
 PATENT ASSIGNEE(S): Applera Corporation, USA
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2001090328 | A2 | 20011129 | WO 2001-US16760 | 20010524 |
| WO 2001090328 | A3 | 20020718 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| US 6482935 | B1 | 20021119 | US 2000-691861 | 20001018 |
| EP 1290185 | A2 | 20030312 | EP 2001-937689 | 20010524 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| US 2003022232 | A1 | 20030130 | US 2002-259740 | 20020930 |
| PRIORITY APPLN. INFO.: | | | US 2000-206550P | P 20000524 |
| | | | US 2000-691861 | A 20001018 |
| | | | WO 2001-US16760 | W 20010524 |

L24 ANSWER 26 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:851353 HCPLUS
 DOCUMENT NUMBER: 136:2248
 TITLE: Human and mouse neuronal **serine-threonine** protein kinases and cDNAs and methods for diagnosis and treatment of neurological diseases and cancer
 INVENTOR(S): Schneider, Armin; Klaussner, Bettina; Fischer, Achim; Newrzella, Dieter; Goetz, Bernhard; Rossner, Moritz; Eisenhardt, Gisela; Kuner, Rohini; Trutzel, Annette; Kammandel, Birgitta; Jomana, Naim Stephan; Schwaninger, Markus
 PATENT ASSIGNEE(S): Basf-Lynx Bioscience A.-G., Germany
 SOURCE: PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|--|--------------------|------------|
| WO 2001088108 | A1 | 20011122 | WO 2001-EP5660 | 20010517 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| DE 10024171 | A1 | 20011220 | DE 2000-10024171 | 20000517 |
| EP 1282700 | A1 | 20030212 | EP 2001-936370 | 20010517 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRIORITY APPLN. INFO.: | | | DE 2000-10024171 A | 20000517 |
| | | | WO 2001-EP5660 | W 20010517 |
| REFERENCE COUNT: | 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L24 ANSWER 27 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:763200 HCPLUS
DOCUMENT NUMBER: 135:328144
TITLE: Novel human protein and cDNA sequences of kinases and its therapeutic use
INVENTOR(S): Plowman, Gregory; Whyte, David; Manning, Gerard;
Sudarsanam, Sucha; Martinez, Ricardo; Caenepeel, Sean
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: PCT Int. Appl., 167 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2001077338 | A2 | 20011018 | WO 2001-US11675 | 20010410 |
| WO 2001077338 | A3 | 20020829 | | |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1278859 | A2 | 20030129 | EP 2001-924901 | 20010410 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRIORITY APPLN. INFO.: | | | US 2000-195953P | P 20000410 |
| | | | US 2000-201015P | P 20000501 |
| | | | US 2000-213805P | P 20000622 |
| | | | WO 2001-US11675 | W 20010410 |

L24 ANSWER 28 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:711043 HCPLUS

DOCUMENT NUMBER: 136:275290
 TITLE: WNK kinases, a novel protein kinase subfamily in multi-cellular organisms
 AUTHOR(S): Verissimo, Fatima; Jordan, Peter
 CORPORATE SOURCE: Centre for Human Genetics, National Institute of Health "Dr. Ricardo Jorge", Lisbon, 1649-016, Port.
 SOURCE: Oncogene (2001), 20(39), 5562-5569
 CODEN: ONCNES; ISSN: 0950-9232
 PUBLISHER: Nature Publishing Group
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 29 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:676960 HCAPLUS
 DOCUMENT NUMBER: 135:237660
 TITLE: Protein and cDNA sequences of novel **human** **kinase** interacting protein homologs and uses thereof in diagnosis, therapy and drug screening
 INVENTOR(S): Mathur, Brian; **Turner, C. Alexander, Jr.**
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2001066760 | A2 | 20010913 | WO 2001-US7499 | 20010308 |
| WO 2001066760 | A3 | 20020530 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| US 2002082406 | A1 | 20020627 | US 2001-802116 | 20010308 |
| PRIORITY APPLN. INFO.: | | | US 2000-187719P | P 20000308 |

L24 ANSWER 30 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:618177 HCAPLUS
 DOCUMENT NUMBER: 135:191337
 TITLE: Protein and cDNA sequences of novel **human** **kinase** homologs and uses thereof in diagnosis, therapy and drug screening
 INVENTOR(S): Walke, D. Wade; Hu, Yi; Nepomnichy, Boris;
Turner, C. Alexander, Jr.; Zambrowicz, Brian
 PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

| | | | | |
|------------------------|--|----------|-----------------|------------|
| WO 2001061016 | A2 | 20010823 | WO 2001-US5356 | 20010215 |
| WO 2001061016 | A3 | 20020207 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| US 2002038011 | A1 | 20020328 | US 2001-783320 | 20010215 |
| EP 1257652 | A2 | 20021120 | EP 2001-912839 | 20010215 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| PRIORITY APPLN. INFO.: | | | US 2000-183582P | P 20000218 |
| | | | US 2000-184014P | P 20000222 |
| | | | WO 2001-US5356 | W 20010215 |

L24 ANSWER 31 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:397023 HCPLUS
 DOCUMENT NUMBER: 135:30738
 TITLE: Novel human protein kinases and protein kinase-like enzymes and their cDNA sequences
 INVENTOR(S): Plowman, Gregory D.; Whyte, David; Manning, Gerard; Sudarsanam, Sucha; Martinez, Ricardo; Flanagan, Peter; Clary, Douglas
 PATENT ASSIGNEE(S): Sugen, Inc., USA
 SOURCE: PCT Int. Appl., 433 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|-------------|
| WO 2001038503 | A2 | 20010531 | WO 2000-US32085 | 20001122 |
| WO 2001038503 | A3 | 20020131 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1240194 | A2 | 20020918 | EP 2000-982200 | 20001122 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| JP 2003514583 | T2 | 20030422 | JP 2001-540254 | 20001122 |
| PRIORITY APPLN. INFO.: | | | US 1999-167482P | A1 19991124 |
| | | | WO 2000-US32085 | W 20001122 |

L24 ANSWER 32 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:368058 HCPLUS
 DOCUMENT NUMBER: 135:328609
 TITLE: Novel type of signaling molecules: protein kinases covalently linked with ion channels
 AUTHOR(S): Ryazanova, L. V.; Pavur, K. S.; Petrov, A. N.;

CORPORATE SOURCE: Dorovkov, M. V.; Ryazanov, A. G.
 Department of Pharmacology, Robert Wood Johnson
 Medical School, University of Medicine and Dentistry
 of New Jersey, Piscataway, NJ, 08854, USA
 SOURCE: Molecular Biology (Moscow, Russian Federation, English
 Language) (Translation of Molekulyarnaya Biologiya)
 (2001), 35(2), 271-283
 CODEN: MOLBBJ; ISSN: 0026-8933
 PUBLISHER: MAIK Nauka/Interperiodica Publishing
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 33 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:756836 HCAPLUS
 DOCUMENT NUMBER: 133:318300
 TITLE: Human homologs of Drosophila fused gene and protein
 INVENTOR(S): Mosca, Monica; Isacchi, Antonella
 PATENT ASSIGNEE(S): Pharmacia & Upjohn S.p.A, Italy
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|----------|-----------------|------------|
| WO 2000063352 | A2 | 20001026 | WO 2000-EP2761 | 20000329 |
| WO 2000063352 | A3 | 20010201 | | |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| EP 1171580 | A2 | 20020116 | EP 2000-926771 | 20000329 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | |
| JP 2002541837 | T2 | 20021210 | JP 2000-612431 | 20000329 |
| PRIORITY APPLN. INFO.: | | | GB 1999-8798 | A 19990416 |
| | | | WO 2000-EP2761 | W 20000329 |

L24 ANSWER 34 OF 58 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:756527 HCAPLUS
 DOCUMENT NUMBER: 133:325643
 TITLE: Antifibrotic formulations containing inhibitors of
 cell-volume-regulated **human kinase**
 h-sgk
 INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten;
 Broer, Stefan; Klingel, Karin
 PATENT ASSIGNEE(S): Germany
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|---|---|--------------------|----------|
| WO 2000062781 | A1 | 20001026 | WO 2000-EP3578 | 20000419 |
| W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| DE 19917990 | A1 | 20001102 | DE 1999-19917990 | 19990420 |
| BR 2000009914 | A | 20020108 | BR 2000-9914 | 20000419 |
| EP 1171131 | A1 | 20020116 | EP 2000-922655 | 20000419 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | |
| JP 2002542196 | T2 | 20021210 | JP 2000-611917 | 20000419 |
| NO 200105054 | A | 20011214 | NO 2001-5054 | 20011017 |
| PRIORITY APPLN. INFO.: | | | DE 1999-19917990 A | 19990420 |
| | | | WO 2000-EP3578 W | 20000419 |
| REFERENCE COUNT: | 17 | THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |
| L24 ANSWER 35 OF 58 | HCAPLUS | COPYRIGHT 2003 ACS | | |
| ACCESSION NUMBER: | 2000:668346 | HCAPLUS | | |
| DOCUMENT NUMBER: | 134:14614 | | | |
| TITLE: | SPAK, a STE20/SPS1-related kinase that activates the p38 pathway | | | |
| AUTHOR(S): | Johnston, Anne M.; Naselli, Gaetano; Gómez, L. Jorge;
Martin, Roland M.; Harrison, Leonard C.; DeAizpurua, Henry J. | | | |
| CORPORATE SOURCE: | Autoimmunity and Transplantation Division, The Walter and Eliza Hall Institute of Medical Research, Parkville, 3050, Australia | | | |
| SOURCE: | Oncogene (2000), 19(37), 4290-4297
CODEN: ONCNES; ISSN: 0950-9232 | | | |
| PUBLISHER: | Nature Publishing Group | | | |
| DOCUMENT TYPE: | Journal | | | |
| LANGUAGE: | English | | | |
| REFERENCE COUNT: | 36 | THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |
| L24 ANSWER 36 OF 58 | HCAPLUS | COPYRIGHT 2003 ACS | | |
| ACCESSION NUMBER: | 2000:341453 | HCAPLUS | | |
| DOCUMENT NUMBER: | 133:131554 | | | |
| TITLE: | Characterization of PDZ-binding kinase, a mitotic kinase | | | |
| AUTHOR(S): | Gaudet, Suzanne; Branton, Daniel; Lue, Robert A. | | | |
| CORPORATE SOURCE: | Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA, 02138, USA | | | |
| SOURCE: | Proceedings of the National Academy of Sciences of the United States of America (2000), 97(10), 5167-5172
CODEN: PNASA6; ISSN: 0027-8424 | | | |
| PUBLISHER: | National Academy of Sciences | | | |
| DOCUMENT TYPE: | Journal | | | |
| LANGUAGE: | English | | | |
| REFERENCE COUNT: | 32 | THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |
| L24 ANSWER 37 OF 58 | HCAPLUS | COPYRIGHT 2003 ACS | | |

ACCESSION NUMBER: 2000:129376 HCPLUS
DOCUMENT NUMBER: 132:290285
TITLE: PSK, a novel STE20-like kinase derived from prostatic carcinoma that activates the c-Jun N-terminal kinase mitogen-activated protein kinase pathway and regulates actin cytoskeletal organization
AUTHOR(S): Moore, Tanya M.; Garg, Ritu; Johnson, Caroline; Coptcoat, Malcolm J.; Ridley, Anne J.; Morris, Jonathan D. H.
CORPORATE SOURCE: Molecular Oncology Laboratory, Department of Academic Surgery, Rayne Institute, King's College School of Medicine and Dentistry, London, SE5 9NU, UK
SOURCE: Journal of Biological Chemistry (2000), 275(6), 4311-4322
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 38 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:315403 HCPLUS
DOCUMENT NUMBER: 131:99243
TITLE: Characterization of a novel type of **serine/threonine** kinase that specifically phosphorylates the human Goodpasture antigen
AUTHOR(S): Raya, Angel; Revert, Fernando; Navarro, Samuel; Saus, Juan
CORPORATE SOURCE: Fundacion Valenciana de Investigaciones Biomedicas, Instituto de Investigaciones Citologicas, Valencia, 46010, Spain
SOURCE: Journal of Biological Chemistry (1999), 274(18), 12642-12649
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 39 OF 58 HCPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:297827 HCPLUS
DOCUMENT NUMBER: 131:140207
TITLE: Human Minibrain Homologue (MNBH/DYRK1): Characterization, Alternative Splicing, Differential Tissue **Expression**, and Overexpression in Down Syndrome
AUTHOR(S): Guimera, Jordi; Casas, Caty; Estivill, Xavier; Pritchard, Melanie
CORPORATE SOURCE: Medical and Molecular Genetics Center-IRO, Hospital Duran i Reynals, Barcelona, 08907, Spain
SOURCE: Genomics (1999), 57(3), 407-418
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 40 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:42532 HCAPLUS
DOCUMENT NUMBER: 130:106933
TITLE: A human homolog of the rat serum glucocorticoid-regulated kinase and a cDNA encoding it
INVENTOR(S): Kumar, Sanjay; Zou, Cheng
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|--|-----------------|------------|
| EP 889127 | A1 | 19990107 | EP 1998-304830 | 19980618 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| CA 2235785 | AA | 19990101 | CA 1998-2235785 | 19980623 |
| JP 11123086 | A2 | 19990511 | JP 1998-186223 | 19980701 |
| US 2001027184 | A1 | 20011004 | US 2001-784249 | 20010215 |
| PRIORITY APPLN. INFO.: | | | US 1997-51446P | P 19970701 |
| | | | US 1997-997212 | A 19971223 |
| REFERENCE COUNT: | 5 | THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L24 ANSWER 41 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:513247 HCAPLUS
DOCUMENT NUMBER: 129:240625
TITLE: Human ULK1, a novel serine/threonine kinase related to UNC-51 kinase of *Caenorhabditis elegans*: cDNA cloning, expression, and chromosomal assignment
AUTHOR(S): Kuroyanagi, Hidehito; Yan, Jin; Seki, Naohiko; Yamanouchi, Yasuko; Suzuki, Yo-ichi; Takano, Takako; Muramatsu, Masa-aki; Shirasawa, Takuji
CORPORATE SOURCE: Department of Mol. Genetics, Tokyo Metropolitan Inst. of Gerontology, Tokyo, 173-0015, Japan
SOURCE: Genomics (1998), 51(1), 76-85
CODEN: GNMCEP; ISSN: 0888-7543
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 42 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:29361 HCAPLUS
DOCUMENT NUMBER: 128:152647
TITLE: Peutz-Jeghers syndrome is caused by mutations in a novel serine threonine kinase
AUTHOR(S): Jenne, Dieter E.; Reimann, Heike; Nezu, Jun-ichi; Friedel, Waltraut; Loff, Steffan; Jeschke, Reinhard; Muller, Oliver; Back, Walter; Zimmer, Michael
CORPORATE SOURCE: Dep. Neuroimmunol., Max-Planck-Inst. Psychiatry, Martinsried, 82152, Germany
SOURCE: Nature Genetics (1998), 18(1), 38-43
CODEN: NGENEC; ISSN: 1061-4036
PUBLISHER: Nature America
DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 43 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:705075 HCAPLUS
DOCUMENT NUMBER: 128:10745
TITLE: **Cloning** and partial sequencing of a novel human activin receptor-like kinase
AUTHOR(S): Ohno, Tsukasa; Imai, Atsushi; Takagi, Atsushi; Horibe, Shinji; Takagi, Hiroshi; Tamaya, Teruhiko
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Gifu University School of Medicine, Tsukasamachi, 500, Japan
SOURCE: Oncology Reports (1997), 4(6), 1349-1351
CODEN: OCRPEW; ISSN: 1021-335X
PUBLISHER: Oncology Reports
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 44 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:702583 HCAPLUS
DOCUMENT NUMBER: 128:44418
TITLE: Identification of two novel human putative **serine/threonine** kinases, VRK1 and VRK2, with structural similarity to vaccinia virus B1R kinase
AUTHOR(S): Nezu, Jun-ichi; Oku, Asuka; Jones, Michael H.; Shimane, Miyuki
CORPORATE SOURCE: Gene Search Program, Chugai Res. Inst. Mol. Med., Niihari, 300-41, Japan
SOURCE: Genomics (1997), 45(2), 327-331
CODEN: GNMCEP; ISSN: 0888-7543
PUBLISHER: Academic
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 45 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:316553 HCAPLUS
DOCUMENT NUMBER: 127:1463
TITLE: Human SAK related to the PLK/polo family of cell cycle kinases shows high mRNA **expression** in **testis**
AUTHOR(S): Karn, Thomas; Holtrich, Uwe; Wolf, Georg; Hock, Bjoern; Strehhardt, Klaus; Ruebsamen-Waigmann, Helga
CORPORATE SOURCE: Chemotherapeutisches Forschungsinstitut, Frankfurt, 60596, Germany
SOURCE: Oncology Reports (1997), 4(3), 505-510
CODEN: OCRPEW; ISSN: 1021-335X
PUBLISHER: Oncology Reports
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 46 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:558103 HCAPLUS
DOCUMENT NUMBER: 125:239716
TITLE: A human homolog of Drosophila minibrain (MNB) is **expressed** in the neuronal regions affected in Down syndrome and maps to the critical region
AUTHOR(S): Guimera, Jordi; Casas, Caty; Pucharcos, Carles; Solans, Asun; Domenech, Anna; Planas, Anna M.; Ashley, Jennifer; Lovett, Michael; Estivill, Xavier; Pritchard, Melanie A.

CORPORATE SOURCE: Mol. Genetics Dep., Cancer Res. Inst., Barcelona,
 08907, Spain
 SOURCE: Human Molecular Genetics (1996), 5(9), 1305-1310
 CODEN: HMGEE5; ISSN: 0964-6906
 PUBLISHER: Oxford University Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L24 ANSWER 47 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:498524 HCPLUS
 DOCUMENT NUMBER: 125:215535
 TITLE: prk, A cytokine-inducible human protein **serine**
/threonine kinase whose **expression**
 appears to be down-regulated in lung carcinomas
 Li, Bo; Ouyang, Bin; Pan, Huiqi; Reissmann, Peter T.;
 Slamon, Dennis J.; Arceci, Robert; Lu, Luo; Dai, Wei
 Div. Hematol. Oncol., Univ. Cincinnati Coll. Med.,
 Cincinnati, OH, 45267, USA
 SOURCE: Journal of Biological Chemistry (1996), 271(32),
 19402-19408
 CODEN: JBCHA3; ISSN: 0021-9258
 PUBLISHER: American Society for Biochemistry and Molecular
 Biology
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L24 ANSWER 48 OF 58 HCPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1996:366094 HCPLUS
 DOCUMENT NUMBER: 125:80511
 TITLE: Human p21 protein-activated protein **serine**
 kinase p65 (PAK65) and a cDNA encoding it and its
 therapeutic applications
 INVENTOR(S): Abo, Arie; Martin, George A.
 PATENT ASSIGNEE(S): Onyx Pharmaceuticals, Inc., USA
 SOURCE: U.S., 42 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| US 5518911 | A | 19960521 | US 1995-369780 | 19950106 |
| US 5605825 | A | 19970225 | US 1995-475682 | 19950607 |
| CA 2209426 | AA | 19960711 | CA 1996-2209426 | 19960105 |
| WO 9620948 | A1 | 19960711 | WO 1996-US487 | 19960105 |
| W: AU, CA, JP | | | | |
| RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9647560 | A1 | 19960724 | AU 1996-47560 | 19960105 |
| AU 702308 | B2 | 19990218 | | |
| EP 802921 | A1 | 19971029 | EP 1996-903482 | 19960105 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE | | | | |
| JP 10512143 | T2 | 19981124 | JP 1996-521283 | 19960105 |
| US 5698445 | A | 19971216 | US 1996-636036 | 19960422 |
| US 5698428 | A | 19971216 | US 1997-780833 | 19970110 |
| US 6013464 | A | 20000111 | US 1997-918509 | 19970822 |
| US 6048706 | A | 20000411 | US 1998-108262 | 19980701 |
| PRIORITY APPLN. INFO.: | | | US 1995-369780 | 19950106 |
| | | | US 1995-475682 | 19950607 |
| | | | WO 1996-US487 | 19960105 |
| | | | US 1997-780833 | 19970110 |

US 1997-918509

19970822

L24 ANSWER 49 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:312447 HCAPLUS
DOCUMENT NUMBER: 125:27254
TITLE: Cloning and characterization of GRB14, a novel member of the GRB7 gene family
AUTHOR(S): Daly, Roger J.; Sanderson, Georgina M.; Janes, Peter W.; Sutherland, Robert L.
CORPORATE SOURCE: Cancer Biol. Div., Garvan Inst. Med. Res., New South Wales, 2010, Australia
SOURCE: Journal of Biological Chemistry (1996), 271(21), 12502-12510
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 50 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:117590 HCAPLUS
DOCUMENT NUMBER: 124:224537
TITLE: 3pK, a new mitogen-activated protein kinase-activated protein kinase located in the small cell lung cancer tumor suppressor gene region
AUTHOR(S): Sithanandam, Gunamani; Latif, Farida; Duh, Fuh-Mei; Bernal, Ricardo; Smola, Ute; Li, Hua; Kuzmin, Igor; Wixler, Viktor; Geil, Laura; et al.
CORPORATE SOURCE: Biological Carcinogenesis Development Program, PRI/DynCorp, Frederick, MD, 21702-1201, USA
SOURCE: Molecular and Cellular Biology (1996), 16(3), 868-76
CODEN: MCEBD4; ISSN: 0270-7306
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 51 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:727998 HCAPLUS
DOCUMENT NUMBER: 123:277512
TITLE: A human homolog of the Drosophila tumor suppressor gene l(2)gl maps to 17p11.2-12 and codes for a cytoskeletal protein that associates with nonmuscle myosin II heavy chain
AUTHOR(S): Strand, Dennis; Unger, Sylvia; Corvi, Raffaella; Hartenstein, Kirsten; Schenkel, Heide; Kalmes, Andreas; Merdes, Gunter; Neumann, Beate; Krieg-Schneider, Frank
CORPORATE SOURCE: Dep. of Developmental Genetics, Deutsches Krebsforschungszentrum, Heidelberg, D-69120, Germany
SOURCE: Oncogene (1995), 11(2), 291-301
CODEN: ONCNES; ISSN: 0950-9232
PUBLISHER: Macmillan Scientific & Medical Division
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 52 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:613945 HCAPLUS
DOCUMENT NUMBER: 123:50541
TITLE: Characterization of myotonic dystrophy kinase (DMK) protein in human and rodent muscle and central nervous tissue
AUTHOR(S): Whiting, Elisabeth J.; Waring, James D.; Tamai,

CORPORATE SOURCE: Katsuyuki; Somerville, Martin J.; Hincke, Maxwell;
Staines, William A.; Ikeda, Joh-E.; Korneluk, Robert G.
Dep. Microbiol. Immunol., Univ. Ottawa, Ottawa, ON, Can.

SOURCE: Human Molecular Genetics (1995), 4(6), 1063-72
CODEN: HMGEE5; ISSN: 0964-6906

PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 53 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:695669 HCAPLUS
DOCUMENT NUMBER: 121:295669
TITLE: Identification and characterization of DBK, a novel putative **serine/threonine** protein kinase from human endothelial cells
AUTHOR(S): Chu, Wei; Presky, David H.; Danho, Waleed; Swerlick, Robert A.; Burns, Daniel K.
CORPORATE SOURCE: Dep. Inflammation/Autoimmune Diseases, Hoffman-La Roche Inc., Nutley, NJ, USA
SOURCE: European Journal of Biochemistry (1994), 225(2), 695-72
DOCUMENT TYPE: CODEN: EJBCAI; ISSN: 0014-2956
LANGUAGE: Journal English

L24 ANSWER 54 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:674996 HCAPLUS
DOCUMENT NUMBER: 121:274996
TITLE: A novel dual specificity phosphatase induced by serum stimulation and heat shock
AUTHOR(S): Ishibashi, Toshio; Boattaro, Donald P.; Michieli, Paolo; Kelley, Christine A.; Aaronson, Stuart A.
CORPORATE SOURCE: NCI, National Inst. Health, Bethesda, MD, 20892, USA
SOURCE: Journal of Biological Chemistry (1994), 269(47), 29897-902
PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L24 ANSWER 55 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:573842 HCAPLUS
DOCUMENT NUMBER: 121:173842
TITLE: **Cloning** of a novel putative protein kinase having a leucine zipper domain from human brain
AUTHOR(S): Reddy, Usha R.; Pleasure, David
CORPORATE SOURCE: Neurology Research, Children's Hosp. of Philadelphia, Philadelphia, PA, 19104, USA
SOURCE: Biochemical and Biophysical Research Communications (1994), 202(1), 613-20
DOCUMENT TYPE: CODEN: BBRCA9; ISSN: 0006-291X
LANGUAGE: Journal English

L24 ANSWER 56 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:552099 HCAPLUS
DOCUMENT NUMBER: 121:152099
TITLE: Two novel human **serine/threonine**

AUTHOR(S): kinases with homologies to the cell cycle regulating
Xenopus MO15, and NIMA kinases: cloning and
characterization of their expression pattern
Levedakou, Eleni N.; He, Mei; Baptist, Edward W.;
Craven, Rolf J.; Cance, William G.; Welcsh, Piri L.;
Simmins, Andrew; Naylor, Susan L.; Leach, Robin J.; et
al.

CORPORATE SOURCE: Lineberger Comprehensive Cancer Center, University
North Carolina, Chapel Hill, NC, 27599, USA

SOURCE: Oncogene (1994), 9(7), 1977-88

DOCUMENT TYPE: CODEN: ONCNES; ISSN: 0950-9232

LANGUAGE: Journal
English

L24 ANSWER 57 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:477177 HCAPLUS
DOCUMENT NUMBER: 121:77177
TITLE: Differential expression of a novel protein
kinase in human B lymphocytes. Preferential
localization in the germinal center
Katz, Paul; Wahlen, Gail; Kehrl, John H.
Lab. Immunoregul., Natl. Inst. Health, Bethesda, MD,
20892, USA
Journal of Biological Chemistry (1994), 269(24),
16802-9
CODEN: JBCHA3; ISSN: 0021-9258
Journal
English

AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
DOCUMENT TYPE:
LANGUAGE:

Differential expression of a novel protein
kinase in human B lymphocytes. Preferential
localization in the germinal center
Katz, Paul; Wahlen, Gail; Kehrl, John H.
Lab. Immunoregul., Natl. Inst. Health, Bethesda, MD,
20892, USA
Journal of Biological Chemistry (1994), 269(24),
16802-9
CODEN: JBCHA3; ISSN: 0021-9258
Journal
English

L24 ANSWER 58 OF 58 HCAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:318218 HCAPLUS
DOCUMENT NUMBER: 120:318218
TITLE: Induction and down-regulation of PLK, a human
serine/threonine kinase
expressed in proliferating cells and tumors
Holtrich, Uwe; Wolf, Georg; Braeuninger, Andreas;
Karn, Thomas; Boehme, Beatrix; Ruebsamen-Waigmann,
Helga; Strebhardt, Klaus
Chermotherapeutisches Forschungsinst.,
Georg-Speyer-Haus, Frankfurt, 60596, Germany
Proceedings of the National Academy of Sciences of the
United States of America (1994), 91(5), 1736-40
CODEN: PNASA6; ISSN: 0027-8424
Journal
English

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(FILE 'HOME' ENTERED AT 08:54:44 ON 01 JUL 2003)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 08:55:32 ON 01 JUL 2003

L1 1090522 S KINASE?
L2 1344 S HUMAN (A) L1
L3 6013004 S CLON? OR EXPRESS? OR RECOMBINANT
L4 895 S L2 AND L3
L5 3305135 S BRAIN OR CEREBELUM OR PROSTATE OR TESTIS OR ADRENAL
L6 3654948 S THYROID OR PANCREAS OR HEART OR SALIVARY OR STOMACH
L7 209 S L4 AND L5
L8 105 S L4 AND L6
L9 249 S L7 OR L8

L10 202 DUP REM L9 (47 DUPLICATES REMOVED)
L11 374311 S SERINE OR THREONINE
L12 56 S L10 AND L11
 E DONOHO G/AU
L13 62 S E3
L14 132 S E3-E9
 E HILBUN E/AU
L15 54 S E3-E4
 E TURNER C A/AU
L16 241 S E3-E9
 E FRIEDRICH G/AU
L17 830 S E3
 E ZAMBROWICZ B/AU
L18 75 S E3
L19 260 S E3-E9
 E SANDS A T/AU
L20 120 S E3
L21 1293 S L12 OR L14 OR L15 OR L16 OR L17 OR L18 OR L20
L22 56 S L12 AND L21
L23 56 DUP REM L22 (0 DUPLICATES REMOVED)
L24 58 S L10 AND L21